

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE
PATENT EXAMINING OPERATION

Applicant: James M. Zavislan

Serial No.: 09/641,795

Filed: August 18, 2000

For: IMAGING SYSTEM USING POLARIZATION EFFECTS TO
ENHANCE IMAGE QUALITY

Examiner: Pham, H.

Art Unit: 2877

Atty Docket: ML-0459C

AMENDMENT AFTER FINAL REJECTION

Box AF

Asst. Commissioner of Patents

Washington, D.C. 20231

Dear Sir:

Please amend the above-identified application as follows:

In the Claims

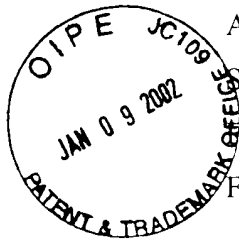
Rewrite Claims 29-39 so that they read as follows:

29. (amended) A system for imaging a section of a medium which receives and returns light from the section and from sites adjacent to the section, said system comprising:

optics for directing light in beams of different polarization in said medium along an imaging plane inside the medium and collecting returned light from the medium; and means for generating an image of the section from said returned light in response to a polarization parameter of said returned light.

30. (amended) The system according to Claim 29 wherein said beams are overlapping in said medium outside the imaged section to reduce the part of said returned light from the sites adjacent said section on opposite sides of said section in the direction of propagation of the beams.

31. (amended) The system according to Claim 30 wherein said beams are incident said medium at spots spaced in at least one direction along an imaging plane.



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